

UNIT : C  
 LEASE : DEKALB FEDERAL  
 WELL : 1  
 S/T/R : 21 8S 26E  
 COUNTY: CHAVES  
 STATE : NEW MEXICO

TYPE TEST. 4 POINT  
 : INITIAL  
 TEST DATE: 1/ 7/83

NEW MEXICO OIL CONSERVATION COMMISSION  
 MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

COMPANY: H.W. Pace  
 FIELD: PECOS SLOPE U.D. POOL:  
 COMPLETED 12 17 82 TD = 6429.  
 CSG SIZE = 4.5000 WT = 9.50  
 TBG SIZE = 2.3750 WT = 4.70  
 TYPE COMPLETION: SINGLE  
 PRODUCING THROUGH: TUBING  
 RESERVOIR TEMP., F = 110. @ 4435. FT.  
 CONNECTION: AIR NEW WELL  
 RESERVOIR: ABO  
 PBD = 5920. ELEV = 3808.  
 SET AT 5920. PERF: 4368.- 4503.  
 SET AT 4411. PERF: 0.- 0.  
 PACKER SET AT: 0.  
 BARO.PRESS = 13.20 PSIA  
 MEAN GROUND TEMP., F = 60.

| L     | H     | G     | % CO2 | % N2 | % H2S | PROVER | M-RUN | TAPS |
|-------|-------|-------|-------|------|-------|--------|-------|------|
| 4435. | 4435. | 0.636 | 0.08  | 6.64 | 0.    | 2.00.  | 0.    |      |

| NO. | LINE SIZE    | ORI. SIZE | FLOW PSIG | HW IN. | FLOW TEMP | TBG. PSIG | TBG. TEMP | CSG. PSIG | CSG. TEMP | FLOW HRS. |
|-----|--------------|-----------|-----------|--------|-----------|-----------|-----------|-----------|-----------|-----------|
| SI  |              |           |           |        |           | 1120.     | 60.       |           |           | 96.0      |
| 1   | 2.00 X 0.188 |           | 65.       | 0.     | 60.       | 290.      | 60.       | 0.        | 0.        | 24.0      |
| 2   | 2.00 X 0.203 |           | 30.       | 0.     | 60.       | 262.      | 60.       | 0.        | 0.        | 24.0      |
| 3   | 2.00 X 0.219 |           | 38.       | 0.     | 60.       | 259.      | 60.       | 0.        | 0.        | 24.0      |
| 4   | 2.00 X 0.250 |           | 28.       | 0.     | 60.       | 242.      | 60.       | 0.        | 0.        | 24.0      |

| NO. | COEFFICIENT (24 - HOUR) | SQRT. (HUPM) | PRESS. PM | T-FACTR F(T) | G-FACTR F(G) | SC-FACTR F(PV) | FLOW MCFD |       |
|-----|-------------------------|--------------|-----------|--------------|--------------|----------------|-----------|-------|
| 1   | 0.61                    | 0.           | 78.2      | 1.0000       | 1.2540       | 1.0065         | 60.       | 12/64 |
| 2   | 0.72                    | 0.           | 43.2      | 1.0000       | 1.2540       | 1.0036         | 39.       | 13/64 |
| 3   | 0.84                    | 0.           | 51.2      | 1.0000       | 1.2540       | 1.0042         | 54.       | 14/64 |
| 4   | 1.11                    | 0.           | 41.2      | 1.0000       | 1.2540       | 1.0034         | 58.       | 16/64 |

| NO. | P(R) | TEMP. R | T(R) | Z     |                        |             |
|-----|------|---------|------|-------|------------------------|-------------|
|     |      |         |      |       | GAS LIQ RATIO. MCF/BBL | 0.          |
| 1   | 0.12 | 520.    | 1.48 | 0.987 | API G OF HYDROCARBONS  | 0.          |
| 2   | 0.07 | 520.    | 1.48 | 0.993 | SP G SEPARATOR GAS     | 0.636 XXXXX |
| 3   | 0.08 | 520.    | 1.48 | 0.992 | SP G FLOWING FLUID     | XXXXX 0.636 |
| 4   | 0.06 | 520.    | 1.48 | 0.993 | CRITICAL PRES., PSIA   | 660. 660.   |
|     |      |         |      |       | CRITICAL TEMP., R      | 352. 352.   |

| NO. | PW   | PW*PW | PC*PC-PW*PW |                           |        |
|-----|------|-------|-------------|---------------------------|--------|
| 1   | 303. | 92.   | 1192.       | PC =                      | 1133.2 |
| 2   | 275. | 76.   | 1208.       | PC*PC =                   | 1284.  |
| 3   | 272. | 74.   | 1210.       | PC*PC/(PC*PC-PW*PW)=,     | 1.0772 |
| 4   | 255. | 65.   | 1219.       | (PC*PC/(PC*PC-PW*PW))*N = | 1.0381 |
|     |      |       |             | ADF (MCF/DAY)=            | 62.    |